

What is claimed is:

1. A biofilter material for biofiltering a fluid, characterized in that it comprises fragments of coconut mesocarp.
2. The biofilter material of claim 1, characterized in that said fragments of coconut mesocarp comprise parenchyma.
3. The biofilter material of claim 1, characterized in that said fragments of coconut mesocarp comprise fibers.
4. The biofilter material of claim 1, characterized in that said fragments of coconut mesocarp comprise a mixture of parenchyma bound-up to fibers.
5. The biofilter material of claim 4, characterized in that it comprises an additional biofiltering material apart from the fragments of mesocarp.
6. The biofilter material of claim 5, characterized in that said additional biofiltering material is selected from the group consisting of peat, mineral filtering media and synthetic filtering media.
7. The biofilter material of claim 6, comprising from 20 % to 80 % of said fragments of mesocarp.
8. The biofilter material of claim 6, comprising 50 % of said fragments of mesocarp.
9. The biofilter material of claim 6, characterized in that said additional biofiltering material is peat.
10. A wastewater treatment system characterized in that it comprises:

- a filter bed comprising a biofilter material as defined in claim 1; and
- a water system adapted to direct water to the biofilter bed to be treated.

11. The wastewater treatment system of claim 10, characterized in that said fragments of coconut mesocarp comprise parenchyma.

12. The wastewater treatment system of claim 10, characterized in that said fragments of coconut mesocarp comprise fibers.

13. The wastewater treatment system of claim 10, characterized in that said fragments of coconut mesocarp comprise a mixture of said parenchyma bound-up to said fibers

14. The wastewater treatment system of claim 13, characterized in that said filter bed comprises fragments of different grain sizes and has an isotropic size distribution.

15. The wastewater treatment system of claim 13, characterized in that said filter bed comprises fragments of different grain sizes and has an anisotropic size distribution.

16. The wastewater treatment system of claim 13, characterized in that said biofiltering material comprises an additional biofiltering material apart from the fragments of mesocarp.

17. The wastewater treatment system of claim 16, characterized in that said additional biofiltering material is selected from the group consisting of peat, mineral filtering media and synthetic filtering media.

18. The wastewater treatment system of claim 17, characterized in that the filter bed has an isotropic distribution of said biofilter material and said additional biofilter material.

19. The wastewater treatment system of claim 17, characterized in that the filter bed has an anisotropic distribution of said biofilter material and said additional biofilter material.

20. The wastewater treatment system of claim 16, characterized in that said biofiltering material comprises from 20 % to 80 % of said fragments of mesocarp.

21. The wastewater treatment system of claim 16, characterized in that said biofiltering material comprises 50 % of said fragments of mesocarp.

22. The wastewater treatment system of claim 16, characterized in that said other biofiltering material is peat.

23 The wastewater treatment system of claim 22, characterized in that a layer of said peat is topping a layer of said biofilter material.

24. The wastewater treatment system as defined in claim 10, characterized in that said filter bed consists of a layer of said biofilter material covering natural soil for further treating the water.

25. he wastewater treatment system as defined in claim 16, characterized in that said filter bed consists of a layer of said biofilter material covering natural soil for further treating the water.

26. The wastewater treatment system as defined in claim 10, characterized in that it comprises:

a filter chamber containing said filter bed, said chamber having an inlet for receiving the water from the said water system; and an outlet for discharging a treated water; the water entering the housing flowing from the inlet to the outlet.

27. The wastewater treatment system as defined in claim 26, characterized in that the inlet is located in an upper portion of the chamber above the filter bed of biofilter material and the outlet is located in a lower portion of the chamber below the filter bed.

28. Use of fragments of coconut mesocarp for biofiltering a fluid.

29. The use of claim 28, characterized in that the coconut mesocarp comprises a mixture of parenchyma bound-up to fibers.